

date: 8-2-04

4 3433142.URPN. ("3183776" "3433142" "3571588" "4018527" "4199247" "4257086" "4435075" "4893225" "5072249" "5073847" "5207494" 12 "5323301").PN.	USPAT	7/31/04 12:
4 5072249.URPN. ((iris or diaphragm or shutter or aperture) same pin\$2 same light) and	USPAT	7/31/04 11:
484 (base with (slot or groove)) (((359/739,894,227,234) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and (((iris or diaphragm or shutter or aperture) same pin\$2 same light) and (base 35 with (slot or groove))) (((iris or diaphragm or shutter or aperture) same pin\$2 same light) same	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
1079 (slot or groove)	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
2249 (iris or diaphragm or shutter) same pin\$2 same light (((iris or diaphragm or shutter) same pin\$2 same light) same control)	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
204 same (slot or groove)	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
4968 (iris or diaphragm or shutter or aperture) same pin\$2 same light	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
5 ("3668995" "3727531" "4975725" "5225936" "5250971").PN. (((iris or diaphragm or shutter) same pin\$2 same light) same control) and (((359/739,894,227,234) or	USPAT	7/31/04 11:
51 (396/452,505,493,510,462,463,474,487,488)).CCLS.) (((iris or diaphragm or shutter) same pin\$2 same light) same control) same (slot or groove)) and (((359/739,894,227,234) or	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
22 (396/452,505,493,510,462,463,474,487,488)).CCLS.) ((iris or diaphragm or shutter) same pin\$2 same light) and (((359/739,894,227,234) or	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
174 (396/452,505,493,510,462,463,474,487,488)).CCLS.)	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
650 ((iris or diaphragm or shutter) same pin\$2 same light) same control ((359/739,894,227) or	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
2222 (396/452,505,493,510,462,463,474,487,488)).CCLS. ((359/739,894,227,234) or	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
2377 (396/452,505,493,510,462,463,474,487,488)).CCLS. (((iris or diaphragm or shutter) same pin\$2 same light) and (((359/739,894,227,234) or	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
135 (396/452,505,493,510,462,463,474,487,488)).CCLS.)) and control	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
4 2830617.URPN. ("2508615" "2557213" "2608278" "2649272" "2830617" 10 "2934892" "3181451" "3706290" "4094492" "4095514").PN.	USPAT	7/31/04 11:
13 4094492.URPN.	USPAT	7/31/04 11:
6 4232595.URPN. ((359/234).CCLS.) and (iris or diaphragm or shutter) and (manual same	USPAT	7/31/04 11:
3 automatic)	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
303 iris with valve	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
29 iris with shutter with valve ((359/234).CCLS.) and (iris or diaphragm or shutter) and (manual and	USPAT; US-PGPUB; IBM_TDB	7/31/04 11:
3 automatic)	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
28 ((359/234).CCLS.) and (iris or diaphragm or shutter) and motor	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
4 ("3654845" "3687042" "4100558" "4113359").PN.	USPAT	7/31/04 10:
192 (359/234).CCLS.	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
9 (punch or pierce) with curl with fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
32 pierce with curl	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
61 ((359/234).CCL .) nd (f sten\$5 r tt ch\$5 r rivet\$5 r gr mmet\$5)	A ; - G ; I M	7/31/04 10:

9 ("2821764" "3551956" "4306511" "4611381" "4860425" "4956139" "4965933" "5359761" "5448824").PN.	USPAT	7/31/04 10:
1 2553622.URPN.	USPAT	7/31/04 10:
5 2439330.URPN.	USPAT	7/31/04 10:
2 5803571.URPN.	USPAT	7/31/04 10:
7 ("2195166" "2439330" "2465578" "3049615" "4210955" "4890208" "5345371").PN.	USPAT	7/31/04 10:
2 2195166.URPN.	USPAT	7/31/04 10:
0 1288555.URPN.	USPAT	7/31/04 10:
2 1503800.URPN.	USPAT	7/31/04 10:
0 D315743.URPN.	USPAT	7/31/04 10:
9 brass with fastener with legs	USPAT; US-PGPUB; IBM_TDB	7/31/04 10:
0 1139444.URPN.	USPAT	7/31/04 10:
0 5541694.URPN.	USPAT	7/31/04 10:
4 ("4956139" "4962202" "4965617" "5025278").PN.	USPAT	7/31/04 10:
2 ("4009946" "4956139").PN.	USPAT	7/31/04 10:
0 5731016.URPN.	USPAT	7/31/04 10:
7 4956139.URPN.	USPAT	7/31/04 10:
8 ("2688581" "3077658" "3366512" "3890679" "3952402" "4135297" "4202091" "4230659").PN.	USPAT	7/31/04 10:
0 6375155.URPN.	USPAT	7/31/04 9:
10 ("1999699" "2649272" "3101736" "4094492" "4095514" "4513948" "5549086" "5802716" "5975493" "5993978").PN.	USPAT	7/31/04 9:
11 2649272.URPN.	USPAT	7/31/04 9:
10 ("2508615" "2557213" "2608278" "2649272" "2830617" "2934892" "3181451" "3706290" "4094492" "4095514").PN.	USPAT	7/31/04 9:
37 (bendable with fastener) same (rotat\$5 or pivot\$5)	USPAT; US-PGPUB; IBM_TDB	7/31/04 9:
371 bendable with fastener	USPAT; US-PGPUB; IBM_TDB	7/31/04 9:
5 3762266.URPN.	USPAT	7/31/04 9:
6 ("3685391" "2399773" "2765227" "3326678" "3665073" "2393564").PN.	USPAT	7/31/04 9:
167 (fasten\$5 with (fold or bend)) with (pivot or rotate)	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
2073 (fasten\$5 with (fold or bend)) and (pivot or rotate)	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
337 (fasten\$5 with (fold or bend)) same (pivot or rotate)	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
73 fasten\$5 same (integral with grommet)	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
6623 fasten\$5 with (fold or bend)	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
24 fastener same punch same fold	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
758 (359/739,894).CCLS.	USPAT; US-PGPUB; IBM_TDB	7/31/04 7:
62 ((359/739,227).CCLS.) and (blade or leaf)	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
192 iris same fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
(((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and (iris same fasten\$5)	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
9 ("2393408" "3744393" "4444489" "4470687" "4610524" "4778255" "4961087" "5038168" "5325142").PN.	USPAT	7/30/04 17:
1 4610524.URPN.	USPAT	7/30/04 17:
553 (359/739,227).CCLS.	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
32 (punch or stamp) same push same fold	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
11580 mechanical adj fastener	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
266 (mechanical adj fastener) same pivot	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
40 ((mechanical adj fastener) same pivot) and leaf	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
1 (iris with (leaf or leaves)) same fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
36241 (iris or diaphragm or aperture) with fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
0 (iris with (leaf or leaves)) with fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
6 4232595.URPN.	USPAT	7/30/04 17:
391 iris with (leaf or leaves)	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
95 (iris with (leaf or leaves)) nd pin	A ; - G ; I M_	7/30/04 17:

26 (iris with (leaf or leaves)) with pin (((iris or diaphragm or aperture) same ((leaf or blade) with (pivot\$3 or 13 rotat\$3))) same light) same fasten\$5	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
83160 (iris or diaphragm or aperture) same light (iris or diaphragm or aperture) same ((leaf or blade) with (pivot\$3 or 863 rotat\$3))) same light	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
19 grommet.ti. and (grommet with pivot)	USPAT; US-PGPUB; IBM_TDB	7/30/04 17:
1 grommet.in.	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
660 grommet.ti.	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
260 grommet with pivot	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
5 3762266.URPN. ("2030167" "2030171" "2038189" "2511920" "2572246" "2842022" "3426641" "3461771" "3747467" "3848389" "3995406"	USPAT	7/30/04 16:
14 "4046053" "4126076" "4767248").PN.	USPAT	7/30/04 16:
13 3848389.URPN. ("0980420" "1947906" "2080220" "2994933" "3740839" "3762266" "3848389" "4485816" "4512699" "4754538" "4841100"	USPAT	7/30/04 16:
12 "4985979").PN.	USPAT	7/30/04 16:
17 4512699.URPN.	USPAT	7/30/04 16:
2 (hollow with pin with rivet).ti.	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
5 3030850.URPN.	USPAT	7/30/04 16:
0 (hollow with pin with rivet).in.	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
20 (hollow with pin with rivet) same pivot	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
16 iris same rivet	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
221 hollow with pin with rivet	USPAT; US-PGPUB; IBM_TDB	7/30/04 16:
2 3836234.URPN.	USPAT	7/30/04 16:
20 rivet with fold with hole	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
1367 rivet with fasten	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
260 rivet with fold	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
0 ((359/227).CCLS.) same rivet	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
3 ((359/227).CCLS.) and rivet	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
237 (rivet with fasten) with hole	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
0 ((rivet with fasten) with hole) with fold (((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((leaf or 4 blade) with (pivot\$3 or rotat\$3) with joint)	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
251 (359/227).CCLS.	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
3 3727531.URPN.	USPAT	7/30/04 15:
3 5394212.URPN.	USPAT	7/30/04 15:
1 4610524.URPN.	USPAT	7/30/04 15:
3 3727531.URPN.	USPAT	7/30/04 15:
2 ("3348463" "3727531").PN.	USPAT	7/30/04 15:
2 ("4009946" "4956139").PN.	USPAT	7/30/04 15:
8 4009946.URPN.	USPAT	7/30/04 15:
2 ("4009946" "4956139").PN.	USPAT	7/30/04 15:
0 5731016.URPN.	USPAT	7/30/04 15:
0 5541694.URPN.	USPAT	7/30/04 15:
4 ("4956139" "4962202" "4965617" "5025278").PN.	USPAT	7/30/04 15:
7 4956139.URPN.	USPAT	7/30/04 15:
102270 (leaf or blade) with (pivot\$3 or rotat\$3)	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
1434 (leaf or blade) with (pivot\$3 or rotat\$3) with joint (((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((iris or diaphragm or aperture) same ((leaf or blade) with (pivot\$3 or 14 rotat\$3)))) and joint	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
3 burst with hole with joint	USPAT; US-PGPUB; IBM_TDB	7/30/04 15:
5 ("2481660" "3456351" "4774537" "4897681" "5099334"). N.	A	7/30/04 15:

(iris or diaphragm or aperture) same ((leaf or blade) with (pivot\$3 or
7207 rotat\$3))

USPAT; US-PGPUB; IBM_TDB 7/30/04 15:

((359/739,894,227) or

(396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((iris or

340 diaphragm or aperture) same ((leaf or blade) with (pivot\$3 or rotat\$3)))

USPAT; US-PGPUB; IBM_TDB 7/30/04 15:

572322 iris or diaphragm or aperture

USPAT; US-PGPUB; IBM_TDB 7/30/04 15: